

M 6.0, 29 km NW of Dali, China

Origin Time: 2021-05-21 13:48:37 UTC (Fri 21:48:37 local)

Location: 25.7695° N 100.0052° E Depth: 10.0 km

Created: 21 minutes, 56 seconds after earthquake

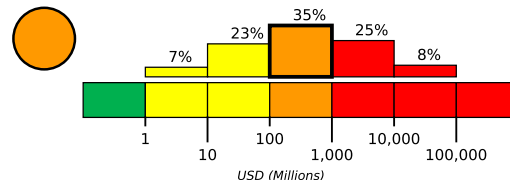
Estimated Fatalities



Orange alert for economic losses. Significant damage is likely and the disaster is potentially widespread. Estimated economic losses are less than 1% of GDP of China. Past events with this alert level have required a regional or national level response.

Green alert for shaking-related fatalities. There is a low likelihood of casualties.

Estimated Economic Losses

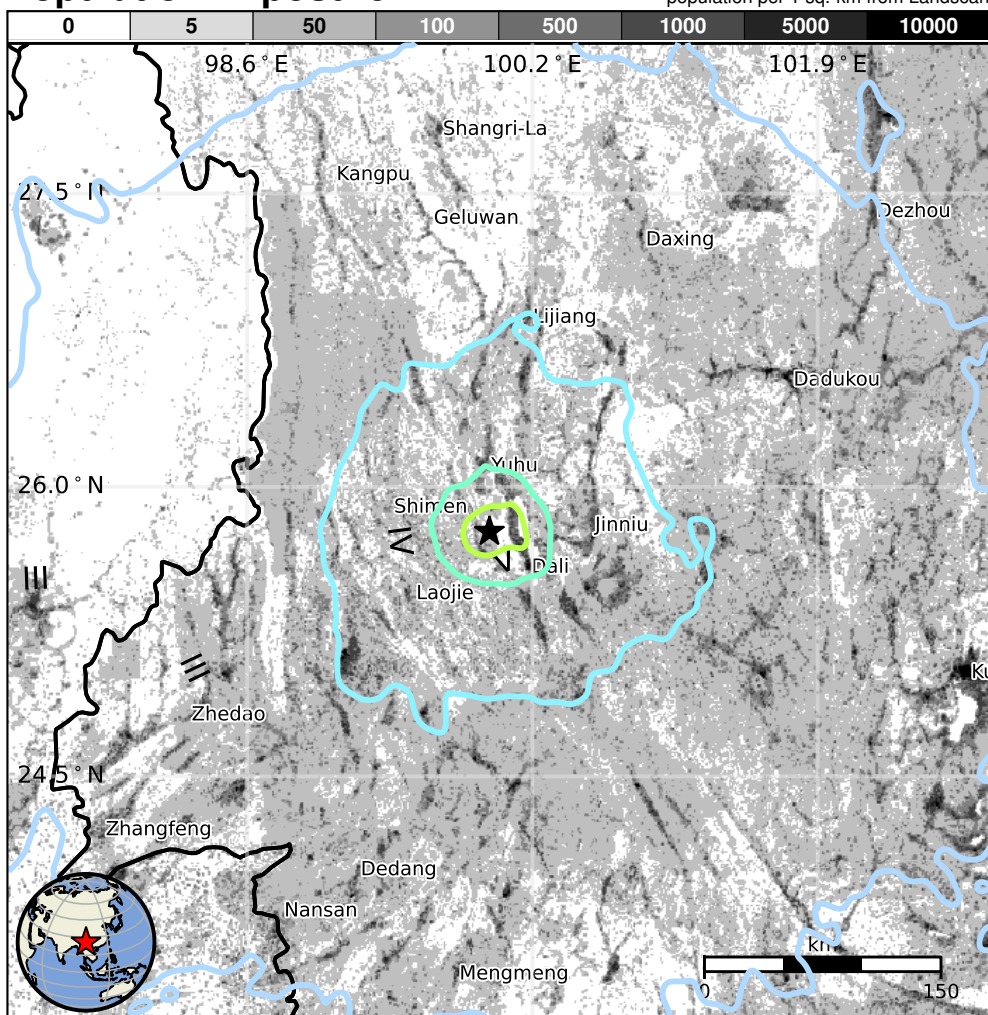


Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)	—*	24,175k*	4,866k	737k	304k	4k	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY	I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING	Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy

*Estimated exposure only includes population within the map area.

Population Exposure



Structures

Overall, the population in this region resides in structures that are vulnerable to earthquake shaking, though resistant structures exist. The predominant vulnerable building types are adobe block with wood and rubble/field stone masonry construction.

Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1989-05-07	252	5.6	VII(159k)	1
2001-10-27	81	5.5	VII(64k)	1
1970-01-04	306	7.2	IX(316k)	16k

Recent earthquakes in this area have caused secondary hazards such as landslides that might have contributed to losses.

Selected City Exposure

from GeoNames.org

MMI	City	Population
VI	Shangjie	<1k
V	Yuhu	<1k
V	Dali	134k
IV	Jinni	<1k
IV	Xiangcheng	<1k
IV	Micheng	<1k
IV	Lijiang	1,138k
III	Myitkyina	91k
III	Kunming	3,855k
III	Dadukou	462k
III	Majie	132k

PAGER content is automatically generated, and only considers losses due to structural damage.

Limitations of input data, shaking estimates, and loss models may add uncertainty.

<https://earthquake.usgs.gov/earthquakes/eventpage/us7000e532#pager>

bold cities appear on map.

(k = x1000)

Event ID: us7000e532